CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.12/MSV/GSB-5/GR/2019-20 01.09.2019

TEST REPORT ON GRADATION FOR GRANULAR SUB BASE

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. M.S.Venkatesh,** No.163, 5th Cross, 2nd Main, Prakash Nagara, Bangalore - 10.
* Name of work	:	Improvements to drains and asphalting to Abbigere area and Shettyhalli area in Ward No.12, Shettyhalli Sub Division (2 Works), Package No.DZ/2017-18(01), (Improvements to roads and asphalting to Abbigere area Forest road & Shettyhalli area, Raghavendra Layout Main Road in Ward No.12, Shettyhalli Sub Division),BBMP, Bangalore.
* Reference	:	EE/DD/WO/391/2019-20 Dated: 26.08.2019
* Sample ID	:	GSB-(Grading V)
Test Method as per	:	IS - 2720 (Part 4) : 1985 (RA-2015), MORTH 400-1
Date of Testing	:	01.09.2019
Report Issue Date	:	01.09.2019

Oven Dry Wt (gm) : 5000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Specified Limits
75.0	0	0	0.00	100	100
53.0	925	925	18.50	81.50	80-100
26.50	905	1830	36.60	63.40	55-90
9.50	855	2685	53.70	46.30	35-65
4.75	790	3475	69.50	30.50	25-50
2.36	610	4085	81.70	18.30	10-20
0.850	525	4610	92.20	7.80	2-10
0.425	315	4925	98.50	1.50	0-5
PAN	75				
Total	5000				

Civil-Tech Consultants & Engineers Bangalore

* Information is furnished by the Customer/Representative

Remarks: Satisfies MORTH Specifications as per Table 400-1, Grading V

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples collected from the site.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಪೂರ್ವ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

M/s. Civil Tech Consultants & Engineers

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagar, Bangalore-79
Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

#23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

Scanned by CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2015 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.12/MSV/GSB-5/GR/2019-20 01.09.2019

TEST REPORT ON GRADATION FOR GRANULAR SUB BASE

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. M.S.Venkatesh,** No.163, 5th Cross, 2nd Main, Prakash Nagara, Bangalore - 10.
* Name of work	:	Improvements to drains and asphalting to Abbigere area and Shettyhalli area in Ward No.12, Shettyhalli Sub Division (2 Works), Package No.DZ/2017-18(01), (Improvements to roads and asphalting to Abbigere area Forest road & Shettyhalli area, Raghavendra Layout Main Road in Ward No.12, Shettyhalli Sub Division),BBMP, Bangalore.
* Reference	:	EE/DD/WO/391/2019-20 Dated: 26.08.2019
* Sample ID	:	GSB-(Grading V)
Test Method as per	:	IS - 2720 (Part 4) : 1985 (RA-2015), MORTH 400-1
Date of Testing	:	01.09.2019
Report Issue Date	:	01.09.2019

CIVIL ENGINEERING TESTING LABORATORY www.civiltechconsultants.com

Oven Dry Wt (gm) : 5000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Specified Limits
75.0	0	0	0.00	100	100
53.0	950	950	19.00	81.00	80-100
26.50	910	1860	37.20	62.80	55-90
9.50	815	2675	53.50	46.50	35-65
4.75	780	3455	69.10	30.90	25-50
2.36	600	4055	81.10	18.90	10-20
0.850	530	4585	91.70	8.30	2-10
0.425	315	4900	98.00	2.00	0-5
PAN	100				
Total	5000				

Civil-Tech Consultants & Engineers Bangalore

* Information is furnished by the Customer/Representative

Remarks: Satisfies MORTH Specifications as per Table 400-1, Grading V

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಮಾಗಡಿ ರಸ್ತೆ, ಕಾಮಾಕ್ಷಿಪಾಳ್ಯ, ಬೆಂಗಳೂರು

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples collected from the site.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

M/s. Civil-Tech Consultants & Engineers

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79
Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

23/14, 7th Cross, 3rd Stage, 4th Block, Shakthiganapathinagara, Basaveshwaranagar, Bangalore-560079

Scanned by CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.12/MSV/GSB-5/GR/2019-20 01.09.2019

TEST REPORT ON GRADATION FOR GRANULAR SUB BASE

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. M.S.Venkatesh,** No.163, 5th Cross, 2nd Main, Prakash Nagara, Bangalore - 10.
* Name of work	:	Improvements to drains and asphalting to Abbigere area and Shettyhalli area in Ward No.12, Shettyhalli Sub Division (2 Works), Package No.DZ/2017-18(01), (Improvements to roads and asphalting to Abbigere area Forest road & Shettyhalli area, Raghavendra Layout Main Road in Ward No.12, Shettyhalli Sub Division),BBMP, Bangalore.
* Reference	:	EE/DD/WO/391/2019-20 Dated: 26.08.2019
* Sample ID	:	GSB-(Grading V)
Test Method as per	:	IS - 2720 (Part 4) : 1985 (RA-2015), MORTH 400-1
Date of Testing	:	01.09.2019
Report Issue Date	:	01.09.2019

CIVIL ENGINEERING TESTING LABORATORY www.civiltechconsultants.com

Oven Dry Wt (gm) : 5000

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Specified Limits
75.0	0	0	0.00	100	100
53.0	855	855	17.10	82.90	80-100
26.50	935	1790	35.80	64.20	55-90
9.50	825	2615	52.30	47.70	35-65
4.75	765	3380	67.60	32.40	25-50
2.36	685	4065	81.30	18.70	10-20
0.850	575	4640	92.80	7.20	2-10
0.425	305	4945	98.90	1.10	0-5
PAN	55				
Total	5000				

* Information is furnished by the Customer/Representative

Remarks: Satisfies MORTH Specifications as per Table 400-1, Grading V

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples collected from the site.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

Civil-Tech Consultants & Engineers Bangalore

ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ

W/s. Civil-Tech Consultants & Engineers

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara, Basaveshwaranagara, Bangalore-79.
Tele fax : 23223227, Cell : 93428 39190, Website : www.civiltechconsultants.com
e-mail : vishwanath.ia@civiltechconsultants.com / info@civiltechconsultants.com

#23/14, 7th Cross, 3rd Stage, 4th Block, Shakthiganapathinagara, Basaveshwaranagar, Bangalore-560079

Scanned by CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

Job No.: CTCE/BBMP/W.No.12/MSV/GSB-V/AL/2019-20 Date : 01.09.2019

TEST REPORT ON ATTERBERG LIMITS TEST FOR GRANULAR SUB BASE

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. M.S.Venkatesh,** No.163, 5th Cross, 2nd Main, Prakash Nagara, Bangalore - 10.
* Name of work	:	Improvements to drains and asphalting to Abbigere area and Shettyhalli area in Ward No.12, Shettyhalli Sub Division (2 Works), Package No.DZ/2017-18(01), (Improvements to roads and asphalting to Abbigere area Forest road & Shettyhalli area, Raghavendra Layout Main Road in Ward No.12, Shettyhalli Sub Division),BBMP, Bangalore.
* Reference	:	EE/DD/WO/391/2019-20 Dated: 26.08.2019
* Sample ID	:	GSB (Grading V)
Test Method as per	:	IS - 2720 (Part - 5) :1985 (RA-2015), MORTH Table : 400-1
Date of Testing	:	01.09.2019
Report Issue Date	:	01.09.2019

Tests on filler screen materials (As per Table : 400-13)

Sl. No.	Particulars	Test Results	Specifications as per Morth
1	Liquid Limit, %	21.50	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

* Information is furnished by the Customer/Representative

Remarks: Satisfies MORTH Specifications as per Table 400-1, Grading V

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples collected from the site.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ಮಲ್ಲೇಶ್ವರಂ, ಬೆಂಗಳೂರು

M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

Scanned by CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2015 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.12/MSV/GSB-V/AL/2019-20 Date : 01.09.2019

TEST REPORT ON ATTERBERG LIMITS TEST FOR GRANULAR SUB BASE

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. M.S.Venkatesh,** No.163, 5th Cross, 2nd Main, Prakash Nagara, Bangalore - 10.
* Name of work	:	Improvements to drains and asphalting to Abbigere area and Shettyhalli area in Ward No.12, Shettyhalli Sub Division (2 Works), Package No.DZ/2017-18(01), (Improvements to roads and asphalting to Abbigere area Forest road & Shettyhalli area, Raghavendra Layout Main Road in Ward No.12, Shettyhalli Sub Division),BBMP, Bangalore.
* Reference	:	EE/DD/WO/391/2019-20 Dated: 26.08.2019
* Sample ID	:	GSB (Grading V)
Test Method as per	:	IS - 2720 (Part - 5) :1985 (RA-2015), MORTH Table : 400-1
Date of Testing	:	01.09.2019
Report Issue Date	:	01.09.2019

Tests on filler screen materials (As per Table : 400-13)

Sl. No.	Particulars	Test Results	Specifications as per Morth
1	Liquid Limit, %	22.50	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

* Information is furnished by the Customer/Representative

Remarks: Satisfies MORTH Specifications as per Table 400-1, Grading V

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples collected from the site.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

****

ನಿರ್ವಾಹಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶಿಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079

Scanned by CamScanner

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2015 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.12/MSV/GSB-V/AL/2019-20 Date : 01.09.2019

TEST REPORT ON ATTERBERG LIMITS TEST FOR GRANULAR SUB BASE

* Customer	:	**Asst. Executive Engineer,** Shettyhalli Sub Division, BBMP, Bangalore.
* Agency	:	**Sri. M.S.Venkatesh,** No.163, 5th Cross, 2nd Main, Prakash Nagara, Bangalore - 10.
* Name of work	:	Improvements to drains and asphalting to Abbigere area and Shettyhalli area in Ward No.12, Shettyhalli Sub Division (2 Works), Package No.DZ/2017-18(01), (Improvements to roads and asphalting to Abbigere area Forest road & Shettyhalli area, Raghavendra Layout Main Road in Ward No.12, Shettyhalli Sub Division),BBMP, Bangalore.
* Reference	:	EE/DD/WO/391/2019-20 Dated: 26.08.2019
* Sample ID	:	GSB (Grading V)
Test Method as per	:	IS - 2720 (Part - 5) :1985 (RA-2015), MORTH Table : 400-1
Date of Testing	:	01.09.2019
Report Issue Date	:	01.09.2019

Tests on filler screen materials (As per Table : 400-13)

Sl. No.	Particulars	Test Results	Specifications as per Morth
1	Liquid Limit, %	22.00	25.0% Maximum.
2	Plasticity Index, %	Non Plastic	6.0% Maximum.

* Information is furnished by the Customer/Representative

Remarks: Satisfies MORTH Specifications as per Table 400-1, Grading V

Note:

⇒The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒The results indicated above are based on the tests carried out on the samples collected from the site.

⇒Any Query regarding the report must be reported within 30 days from the date of testing.

Civil-Tech Consultants & Engineers Bangalore

ಹಿರಿಯ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಆಡಳಿತ ವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು.

****

M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara,
Basaveshwaranagar,
Bangalore-560079.

Scanned by CamScanner